FREQUENTLY ASKED QUESTIONS

HOW DOES AN ASW CERTIFICATE HELP ME?

Completion of the ASW Certificate program provides you with a practical skill set that can be employed immediately in your professional career.

Credit from courses completed through the ASW Certificate Program can be applied toward a masters degree in the USW program. In most cases, students qualify for one quarter of credit toward a masters degree.

WHAT ARE THE PREREQUISITES?

Students pursuing the ASW certificate need a working knowledge of single-variable calculus, probability and MATLAB.

Prerequisite courses may be available as distance-learning courses through the NPS Office of Continuous Learning. Prerequisite courses include:

- MA1113—Single Variable Calculus
- OS2100—Probability and Statistics
- OC2020—MATLAB Programming

IS THERE A SERVICE COMMITMENT?

There is no service commitment associated with the ASW certificate program.

WHAT WILL IT COST ME?

Students will be expected to purchase relevant textbooks and incidental supplies.

WHO IS ELIGIBLE?

Naval officers (Active Duty or Reserve), government laboratory engineers, Navy civilians (afloat and ashore staff), and Navy enlisted with an ASW background are all eligible to enroll in the ASW certificate program.

FOR MORE INFORMATION, PLEASE CONTACT

ASW-CERTIFICATE@NPS.EDU

Program Officer

Undersea Warfare Program (831) 656-2044 DSN 756-2044

Dr. Don Brutzman Chair, USW Academic Committee

> (831) 656-2149 brutzman@nps.edu

Roger F. Bacon, Vice Admiral, USN (ret) Chair, Professor of Undersea Warfare

> (831) 656-2488 DSN 756-2488

Richard D. Williams III, RDML USN (ret) Chair, Professor of Mine Warfare

Deputy Director, Undersea Warfare Research Center (831) 656-7702 rdwillia@nps.edu

> Tom Hazard Director

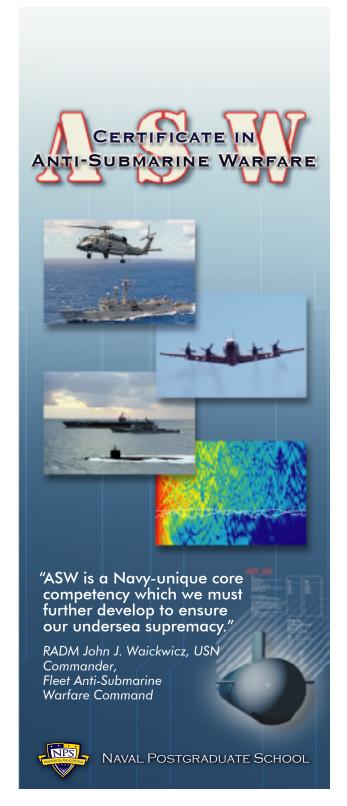
NPS Office of Continuous Learning (831) 656-3580 DSN 756-3580



WWW.NPS.EDU/DL/NPSO

Office of Continuous Learning 411 Dyer Road, Knox 102 Monterey, CA 93943, USA

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THE ASW CERTIFICATE PROGRAM

The curriculum for the Anti-Submarine Warfare (ASW) Certificate Program supports the needs of the Navy in ASW, and complements existing warfare ASW training and qualification.

The ASW Certificate Program provides a science and engineering foundation which covers fundamental concepts in four areas:

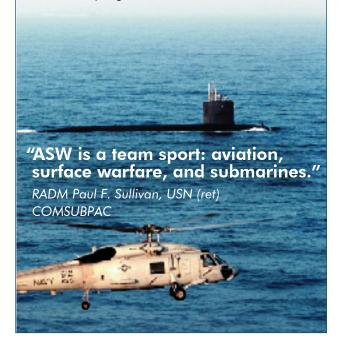
PHYSICAL OCEANOGRAPHY

SIGNAL PROCESSING

OPERATIONS RESEARCH

ENGINEERING ACOUSTICS

These subjects are the educational cornerstone for this highly interdisciplinary certificate program.



THE ASW CERTIFICATE CURRICULUM

Anti-Submarine Warfare encompasses multiple disciplines. The ASW Certificate is a distance learning curriculum that consists of four fully accredited courses delivered by multiple modes of instruction. Offered over a one-year period, these courses develop critical analytic skills and an understanding of the fundamental principles applied in ASW.

"ASW is Job One in the Pacific theatre."

Admiral Walter F. Doran (ret) United States Navy Commander, U.S. Pacific Fleet

PH2401 INTRODUCTION TO SONAR EQUATIONS

A discussion of each term of the sonar equations, with application to the detection, localization, and classification of underwater targets.
(No prerequisites)

OA3602 SEARCH THEORY & DETECTION

Search and detection as stochastic processes. (Prerequisite: probability)

EC2450 REVIEW OF SIGNALS AND SYSTEMS

Fundamentals of discrete-time and continuoustime signals and systems. (Prerequisites: singlevariable calculus, basic MATLAB programming skills)

OC2930 Introduction to Oceanography for Undersea Warfare

An introduction to ocean processes and phenomena with applications to Undersea Warfare. (No prerequisites)

THE USW CURRICULUM AT NPS

Students with an ASW Certificate are well positioned to continue their education and professional development by pursuing a masters degree through the Undersea Warfare (USW) curriculum at the Naval Postgraduate School (NPS). This highly interdisciplinary program focuses on engineering fundamentals, physical principles, operations research, and systems analysis that contribute to USW, ASW and Mine Warfare (MIW) operational employment.

Students can choose from one of five accredited disciplines:

- Operations Research
- Physical Oceanography
- Electrical Engineering
- Engineering Acoustics
- Applied Science



"A robust and integrated Anti-Submarine Warfare architecture, more capable force structure and a committed investment in future technologies are essential to counter the growing submarine threat."

> ADM Thomas B. Fargo, USN (ret) Commander, U.S. Pacific Command

For a more in-depth description of these certificate courses please visit: www.nps.edu/dl/NPSO/cert_progs/asw.html

For information regarding masters degrees in the NPS USW curriculum, please visit: www.nps.navy.mil/usw